Half Cell /Supply Mobile Cart Installation and Service Guide

67-2043 Rev B

Omnicell®

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Electronics Tray

Note: The half cell and supply mobile cart are similar cabinets. The main difference is that the supply mobile cart has casters that allows the cabinet to be moved easier.

Introduction

This chapter provides instructions to properly remove specific parts within the Color Touch (CT) PC sled (electronics tray). Parts are replaced by generally performing the removal procedures in reverse. Follow the shutdown procedure before attempting any service on the cabinet. Perform the restart steps after the service is completed.

Tools List

The following tools are required to install the electronics tray:

- T8 Torx Driver
- T10 Torx Driver
- T15 Torx Driver
- 9/64” Allen wrench
- USB B to A (male to male) cable
- Hyperterminal
- Needle nose pliers
- 5/16" nut driver
- Medium size (#8 - 8/32) Phillips screwdriver
- Voltmeter/ multimeter

Shutdown Procedures

1. Perform a graceful shutdown of the electronics tray.
2. Unplug the cabinet from its power source.
3. Employ ESD protection before working in the electronics sled.

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LCD Assembly

1. Unlock the lid with key #2036, then open and prop up the lid.
2. Disconnect the video image cable.

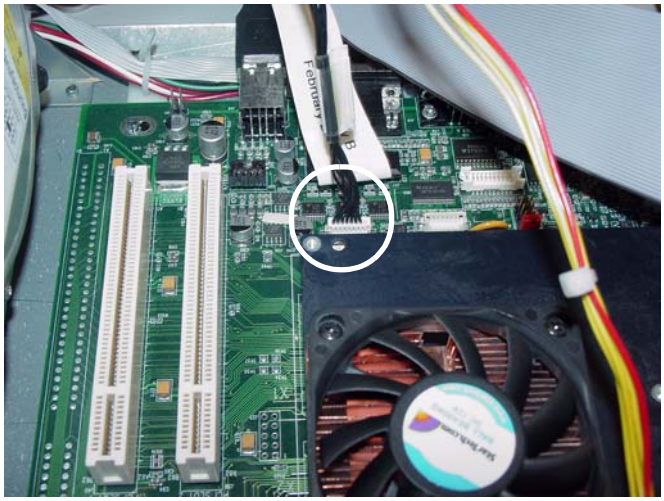

Figure 1-1. Disconnect the video image cable.

3. Disconnect the touch screen cable.

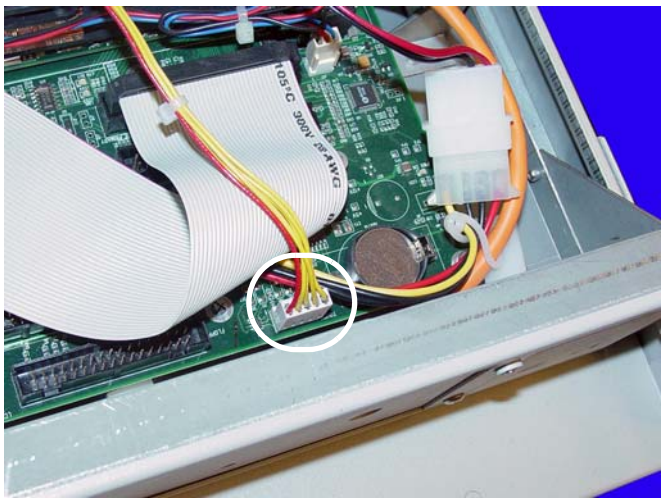

Figure 1-2. Disconnect the touch screen cable

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4. Disconnect the backlight cable.

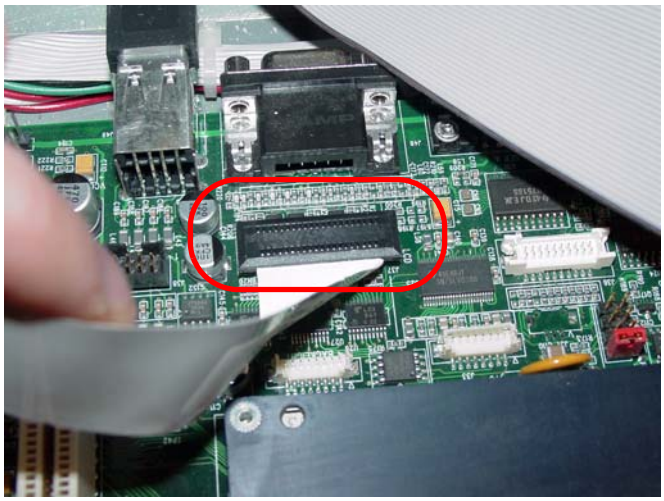

Figure 1-3. Disconnect the backlight cable

5. Set the lid back down.
6. Remove the four outer screws that secure the LCD bezel to the half cell using a Torx T10 screwdriver.

Figure 1-4. Remove the four outer screws

7. Remove the front bezel.

Figure 1-5. Remove the front bezel

8. Remove the four inner screws at the back of the console lid.

Note: Hold onto the front of the LCD screen while removing the screws so that the assembly does not fall.

Figure 1-6. Remove the four inner screws

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9. Tilt the LCD assembly forward and pull the cables through the opening in the lid.

Figure 1-7. Remove the cables from the opening in the lid

10. Remove the LCD assembly from the LCD housing.

Speaker

1. Unlock the lid with key #2036, then open and prop up the lid.
2. Disconnect the speaker cable from the motherboard.

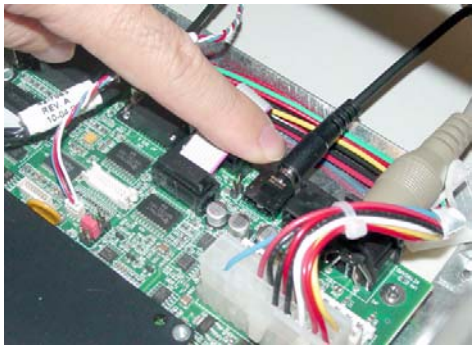

Figure 1-8. Disconnect the speaker cable from the motherboard

3. Remove the two screws that hold the speaker in place using a Torx T10 screwdriver.

Figure 1-9. Remove the two screws that secure the speaker

4. Remove the speaker from the console top.

Batteries

The supply mobile cart comes with optional batteries.

1. Unlock the lid with key #2036, then open and prop up the lid.
2. Remove the thumb screws that secure the metal cover for the lithium ion batteries.

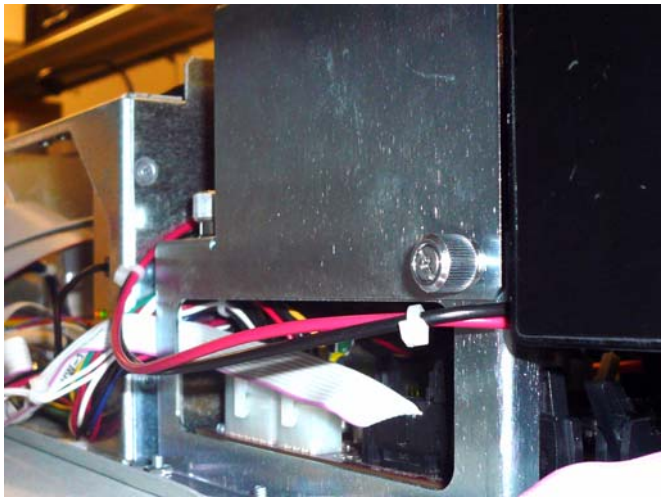

Figure 1-10. Remove the thumb screws

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3. Slide the cover to the left, away from the motherboard.

Figure 1-11. Slide the battery cover

4. Lift the cover and remove it from the sled.

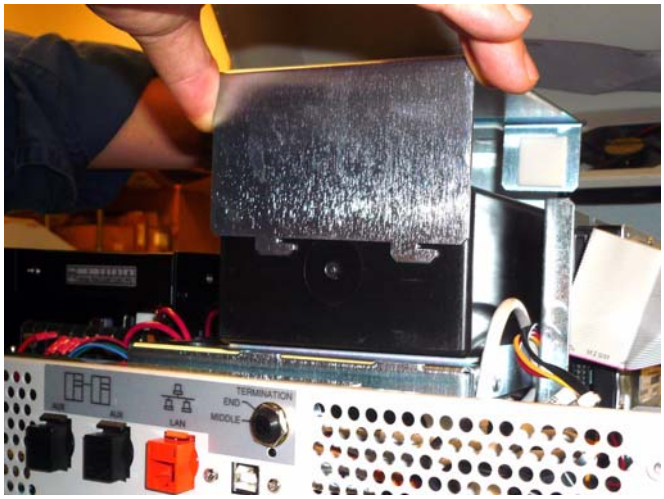

Figure 1-12. Lift and remove the battery cover

5. Lift the batteries and move them off the stand.

Figure 1-13. Lift the batteries off the stand

6. Disconnect the front battery cable from the motherboard.

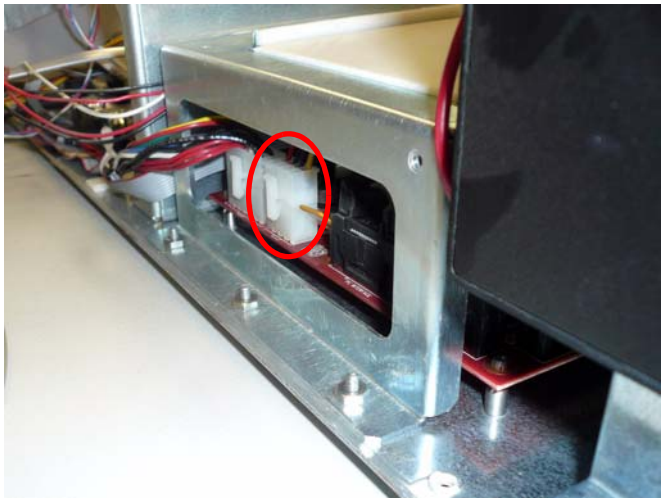

Figure 1-14. Disconnect the battery cable

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7. Remove the cable from the hole of the battery support frame.

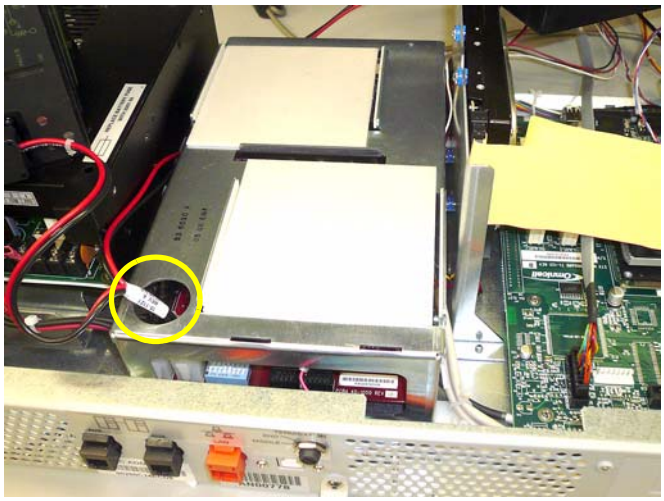

Figure 1-15. Remove the battery cable

8. Remove the three screws that secure the battery frame to the sled.

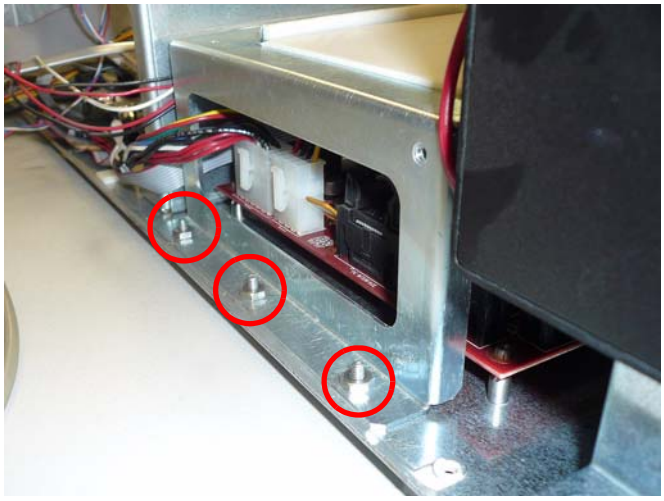

Figure 1-16. Remove the screws that secure the battery frame

9. Remove the battery frame.
   a. Lift the frame up and over the screws.
   b. Slide the frame toward the front of the sled to remove it.

Printer

1. Open the printer cover by pushing the black release lever up, then lifting the cover.

Figure 1-17. Open the printer cover

2. Push the platen lever to the left (counter clockwise) to set it to the disengage position.
3. Remove the paper from the printer.

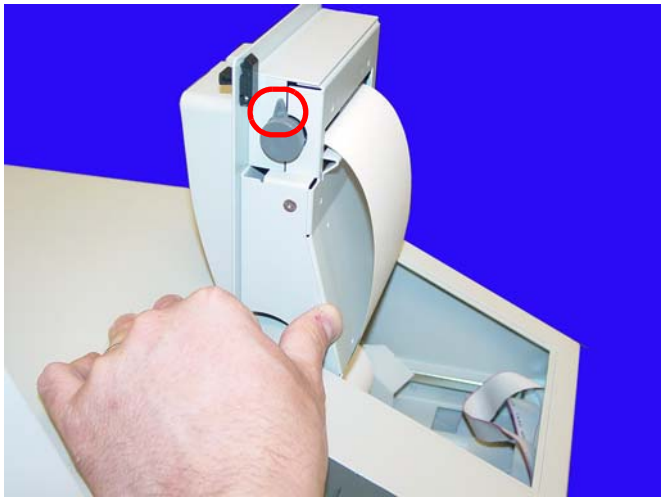

Figure 1-18. Push the platen lever to the left and remove the paper

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4. Remove the four screws (two on each side) that secure the printer assembly to the cover.

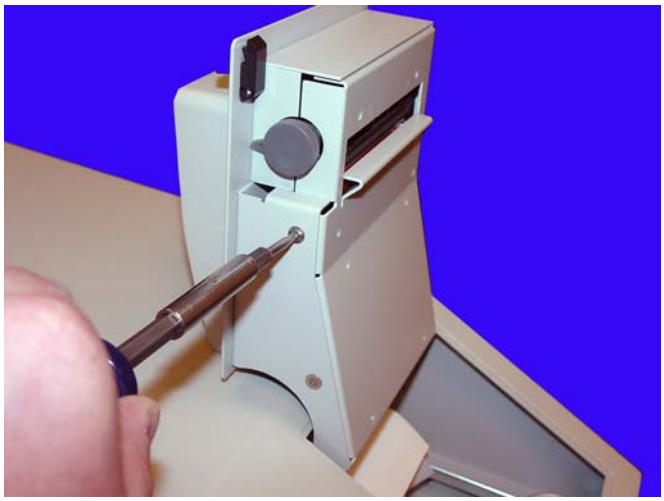

Figure 1-19. Remove the screws securing the printer assembly

5. Remove the printer assembly.
6. Remove the four screws that secure the lower assembly to the frame.

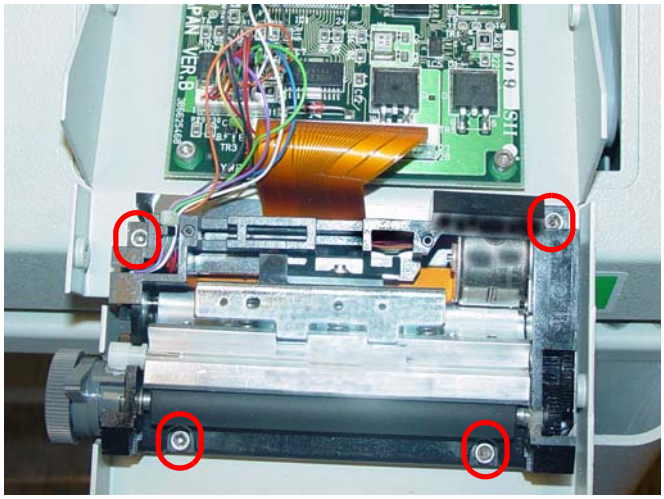

Figure 1-20. Remove the screws that secure the lower assembly

7. Disconnect the printer ribbon cable and the printer data cables from the printer PC Board.

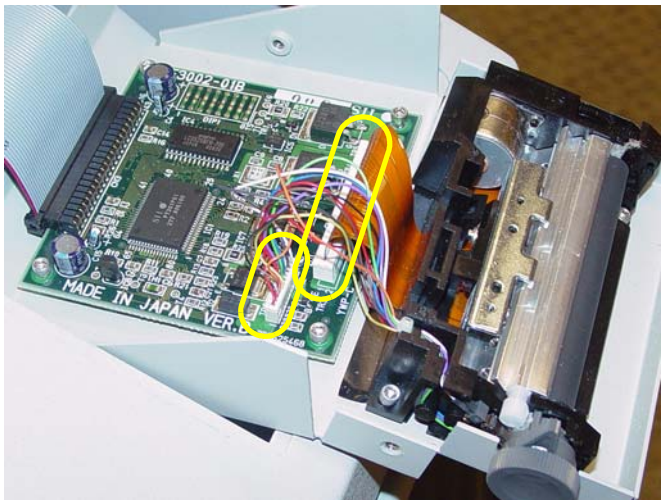

Figure 1-21. Remove the printer ribbon cable and the printer data cable

8. Remove the printer.

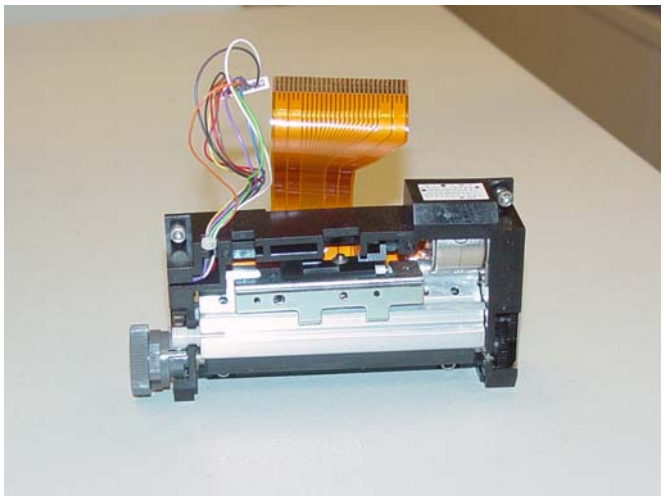

Figure 1-22. Remove the printer

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9. Remove the four screws that secure the PC card to the frame.

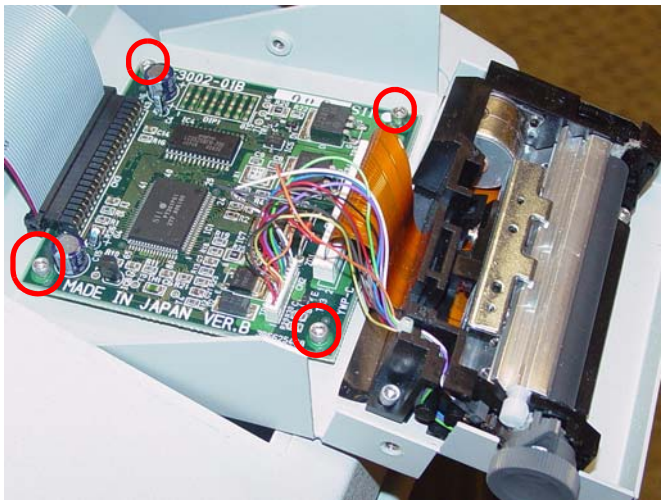

Figure 1-23. Remove the screws that secure the printer PC card

10. Lift the card off the frame slightly, then remove the printer PC card.

CT PC Tray Upgrade

PowerCom2 Removal

1. Disconnect the LAN cable and the AUX cables from the rear of the CT PC Box.

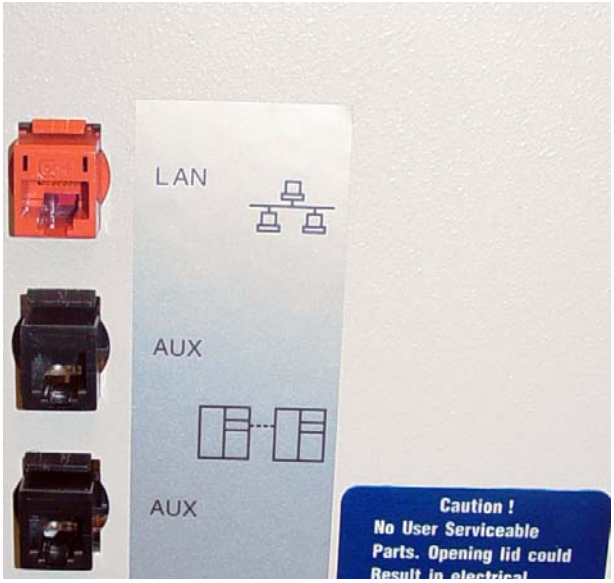

Figure 1-24. Location and labels for LAN and AUX cable connections on CT PC Tray

2. Unlock the lid with key #2036, then open and prop up the lid.

3. Disconnect the following cables from the tray. Match the letters from the list to the ones in Figure 1-18 for orientation.
   a. LCD data cable
   b. Contrast cable
   c. Inverter (backlight) cable
   d. Touch screen data cable
   e. Keyboard cable
   f. Speaker cable
   g. Card reader cable (if applicable–not shown)
   h. Fan power cable (if applicable)
   i. Printer cable (free cable from any clips)
   j. Cabinet power/comm cable

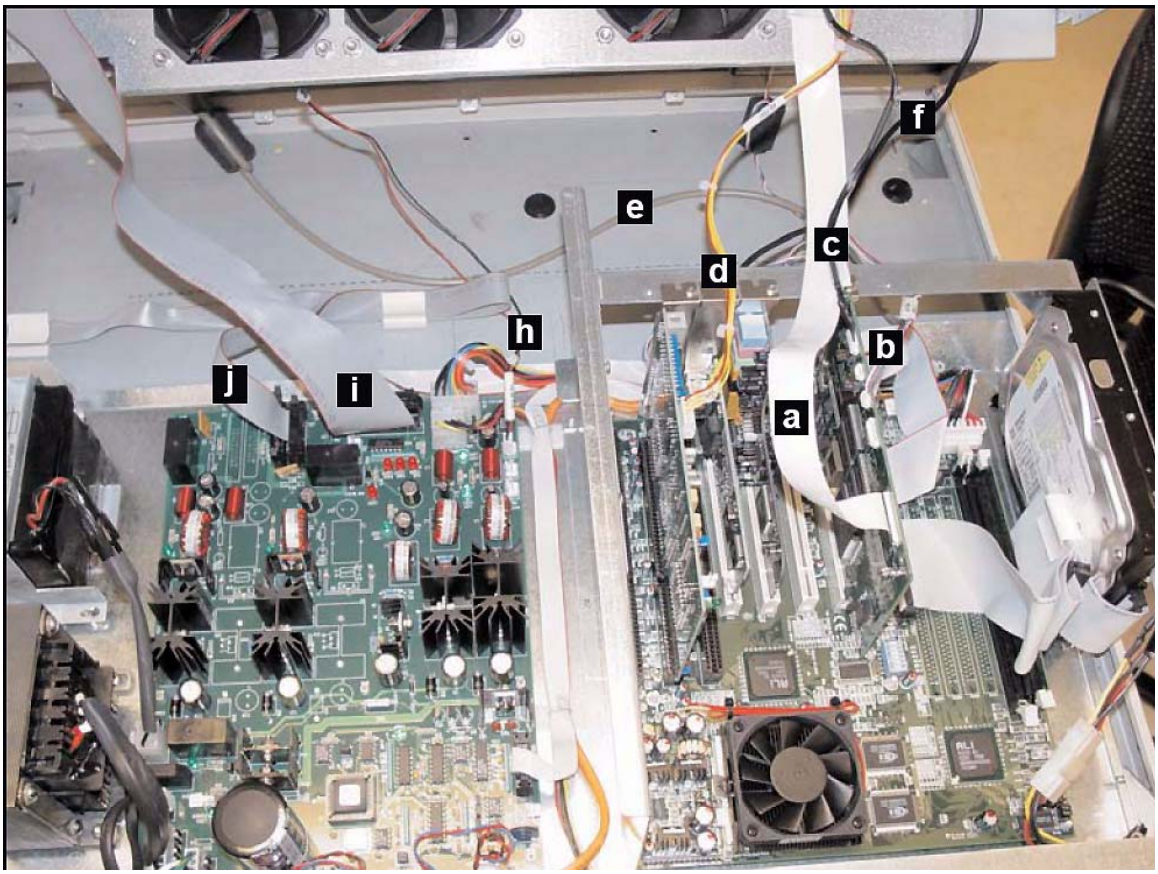

Figure 1-25. Location of cables on the CT PC Tray with PowerCom2 Board

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4. Lift and remove the electronics tray.

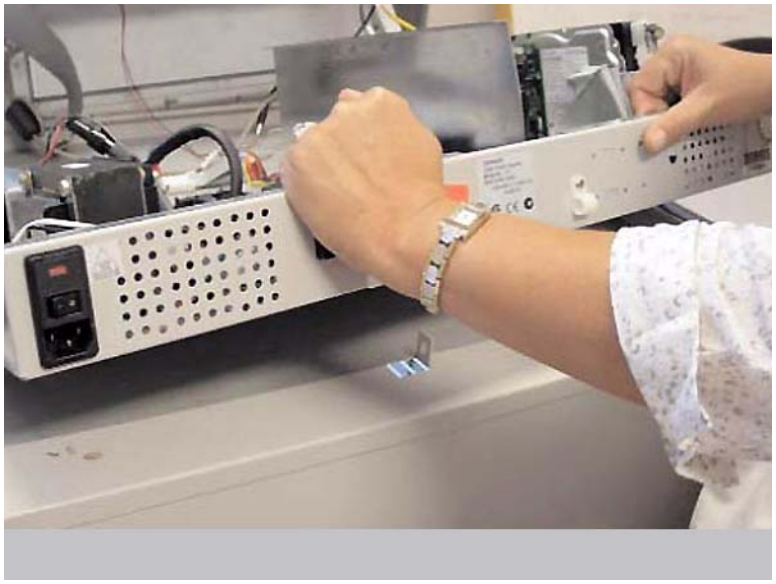

Figure 1-26. Lift and remove the CT PC Tray

PowerCom3 Installation

1. Place the new electronics tray into the cabinet.
2. Connect the wireway cable (power/comm cable) to the J10 of the PowerCom3 Board

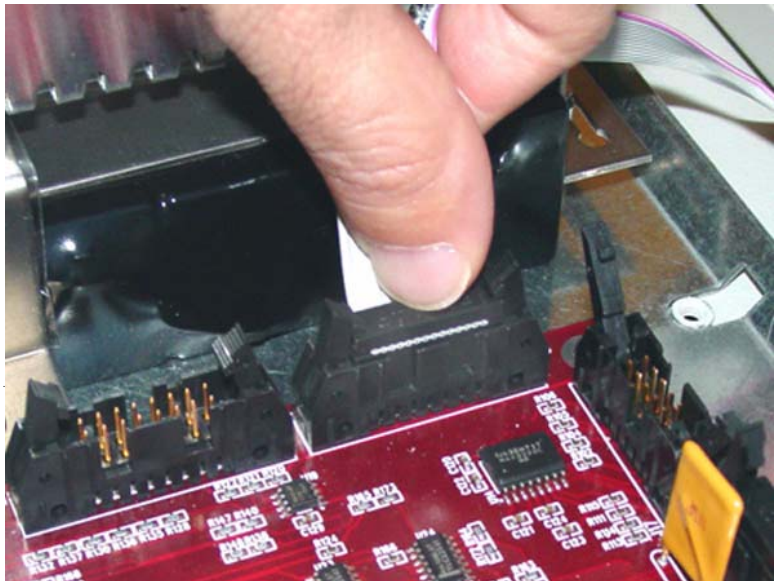

Figure 1-27. Connect the Wireway Cable to J10 of the PowerCom3 Board

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3. Connect the printer cable to J27 on the motherboard.

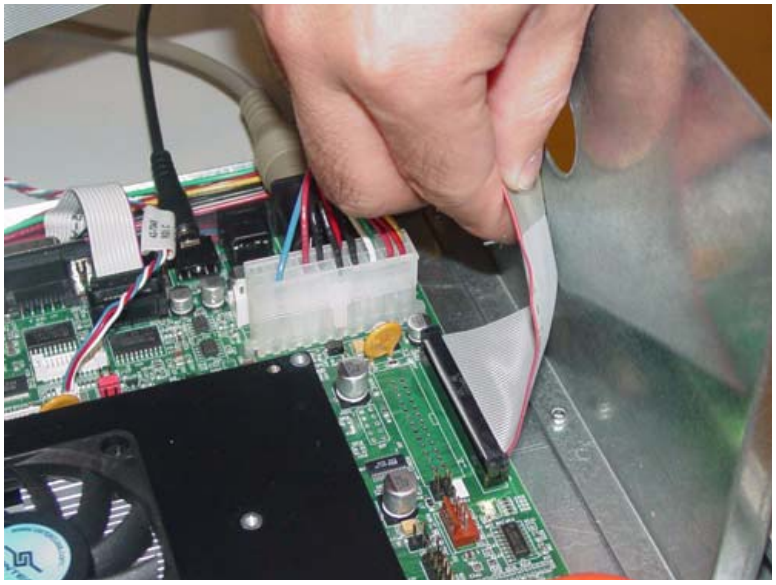

Figure 1-28. Connect the Printer Cable to J27 of the Motherboard

Note: Ensure that the red wire is connected closest to Pin 1.

4. Connect the fan power cable to J17 on the UPS board (if applicable).
5. Connect the speaker cable to port J45 on the motherboard.

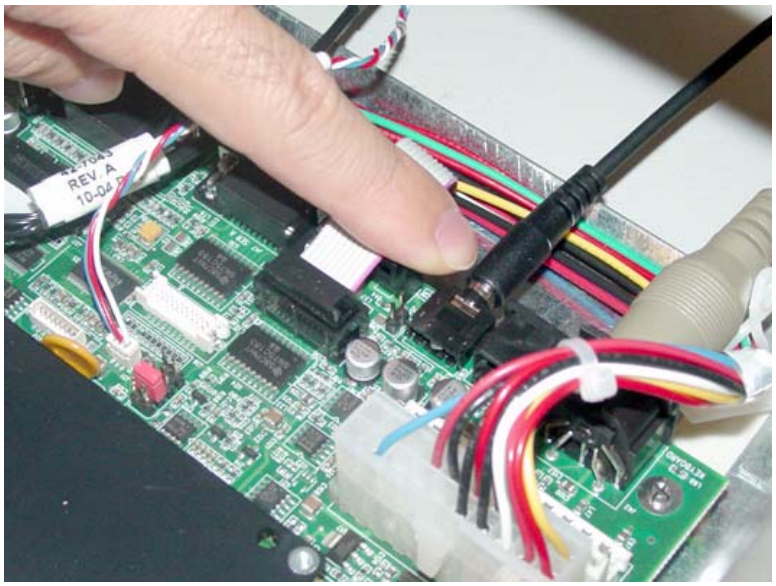

Figure 1-29. Connect the Speaker Cable to J45 of the Motherboard

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6. Connect the keyboard cable to port J42 on the motherboard.

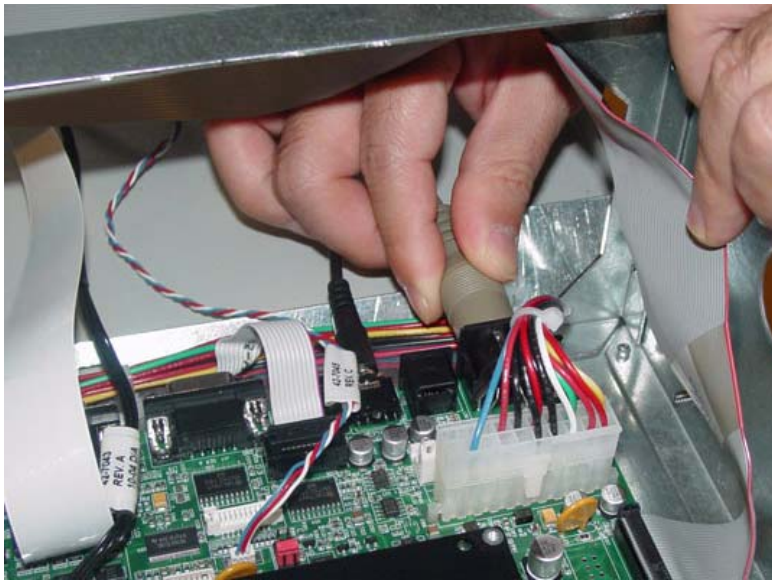

Figure 1-30. Connect the Keyboard Cable to J42 of the Motherboard

7. Connect the touch screen data cable to J2 on the motherboard:
   a. Connect the extension cable provided in the kit to the touch screen data cable (red wire to red wire).
   b. Wrap the joined connectors with electrical tape to ensure that the cables do not become disconnected.
   c. Connect the touch screen data cable extension to J2 on the motherboard.

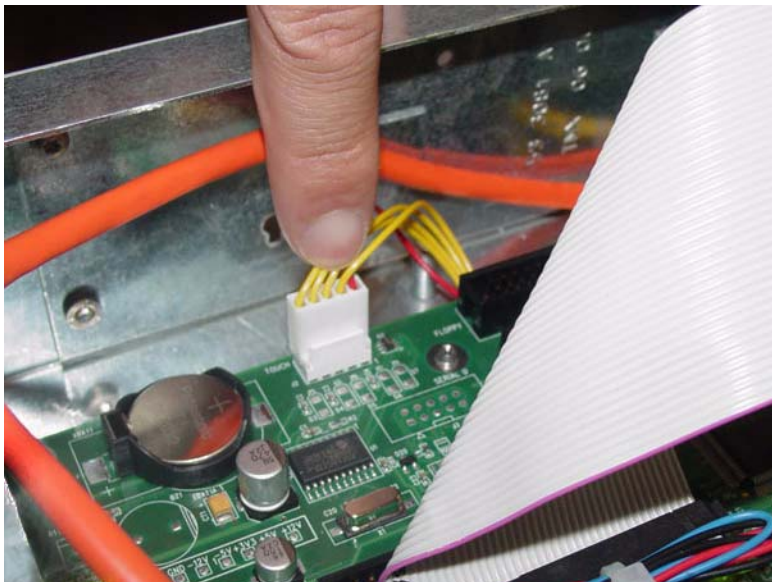

Figure 1-31. Connect the Touch Screen Data Cable to J2 of the Motherboard

8. Connect the inverter (backlight) cable to J32 on the motherboard.

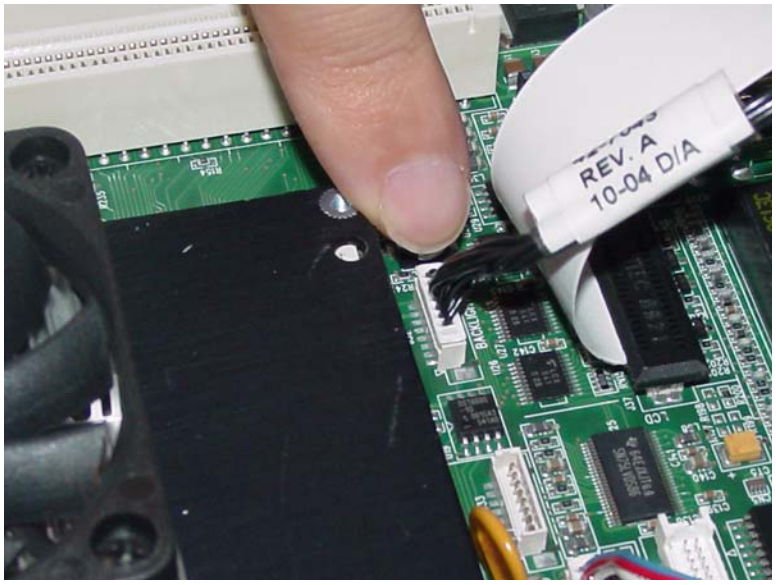

Figure 1-32. Connect the Backlight Cable to J32 of the Motherboard

9. Connect the contrast cable to J31 on the motherboard.

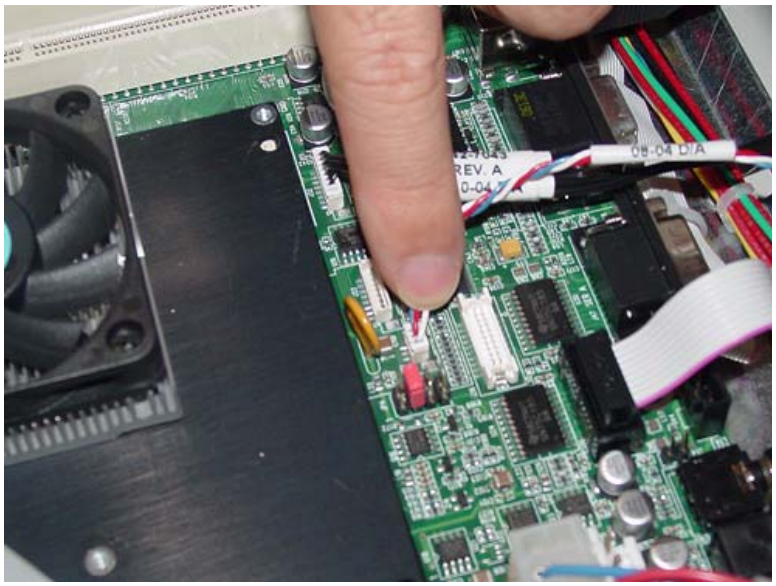

Figure 1-33. Connect the Contrast Cable to J31 of the Motherboard

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10. Connect the LCD data cable to J37 on the motherboard

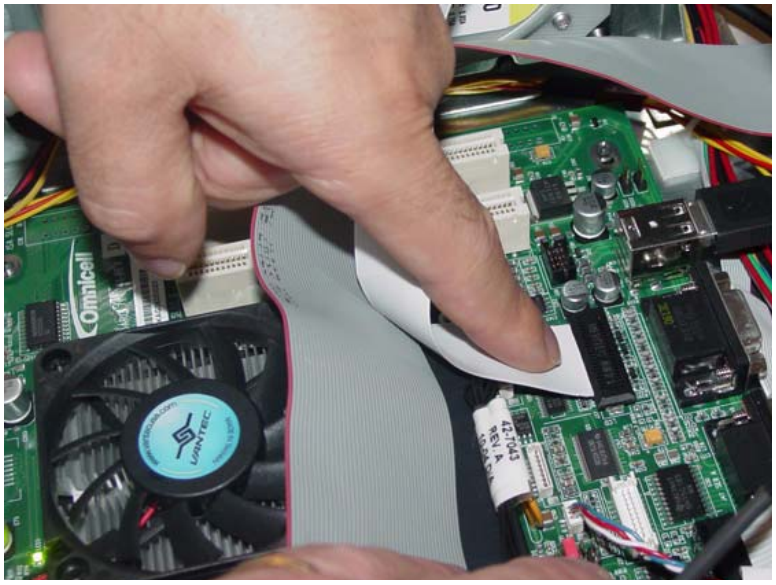

Figure 1-34. Connect the LCD Data Cable to J37 of the Motherboard

11. If a card reader is present and needs to be reconnected:
    a. Connect the card reader serial cable to J47 on the motherboard.
    b. Connect the card reader power cable to the back of the card reader serial connector.
    c. Insert card reader power cable pins into the disk drive power connector.
    d. Align the red-stripe pin to the red cable and the gray-stripe pin to the gray cable in next spot.

Standardization Changes

To standardize the peripherals that Omnicell products use, the Seiko printer and PS/2 keyboards are being replaced by APS printers and USB keyboards with a numeric pad. The console is swapped out in this procedure.

1. Lift and prop-up the lid if it is not already open.
2. Disconnect all console cables.
3. Remove the console.

4. Replace the cable cover bracket with the new, wider one using three screws.

Figure 1-35. Cable cover bracket

5. Place new console into position, then prop it open.
6. Re-connect the cables. Most will go back where the old cables were with a couple of exceptions.
   - The contrast cable goes into J33 instead of J32.
   - The USB keyboard cable goes to the USB port (vs. the PS/2 connection).
   - Move the jumper on JP1 from pins 1-2 to 3-4.

System Restart

Perform the following steps after parts (or the sled) have been replaced.

1. Close and lock the lid.
2. Plug the cabinet power cord into the proper outlet.
3. Reboot the system.

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Frames and Wireways

Introduction

The half-cell/supply mobile cart cabinet has a metal frame which houses the SPC boards. Many of the cables connect the components of the system. The frame is not field repairable and must be replaced if it is damaged. The wireway on the right side of any cabinet in a half-cell/supply mobile cart is removable. The SPC boards contained on the wireways are also replaceable.

Perform the shutdown procedures before starting any service. Replace the wireway by generally performing the removal procedure in reverse. Perform the restart steps after the wireway has been serviced.

Tools List

The following tools are required to perform the procedures in this chapter:

- Torx T15 driver
- Torx T25 driver

Shutdown Procedures

1. Perform a graceful shutdown of the system.
2. Unplug the cabinet from its power source.

Wireway Removal

1. Remove any manual override covers, if applicable.
2. Remove any modules that are attached to the wireway.

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3. Remove the four screws on the right side of the half cell that secure the wireway to the frame using a Torx T15 screwdriver.

Figure 2-1. Remove the four screws on the side of the half cell

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4. Remove the two screws on the front of the half cell that secure the wireway to the frame using a Torx T15 screwdriver.

Figure 2-2. Remove the two screws on the front of the half cell

5. Remove the screws on either side of the transport handle using a Torx T25 screwdriver.

Figure 2-3. Remove the two screws securing the transport handle

6. Push the transport handle toward the rear of the half cell then remove it from the frame.

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7. Pull the wireway backward toward the rear of the frame and disconnect the ribbon cable (drawer connect board to IUPS cable assembly).

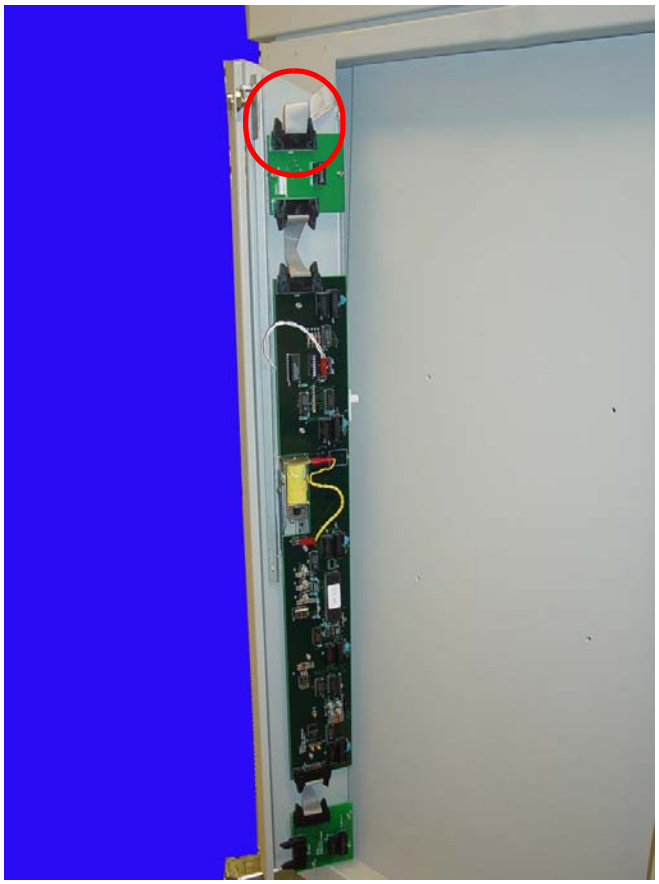

Figure 2-4. Disconnect the ribbon cable and remove the wireway

8. Remove the wireway.

System Restart

Perform the following steps after the wireway has been replaced.

1. Plug the cabinet power cord into the proper outlet.
2. Reboot the system.

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Shelves

Introduction

Shelves can be moved or removed as needed. The cabinet must be powered down to safely handle the switchpanels and cables. If only the dividers are to be moved/removed, the cabinet does not need to be powered down. Perform the restart steps if the cabinet was powered down for service.

A Torx T15 screwdriver is the only tool required to remove/install shelves.

Shutdown Procedures

1. Perform a graceful shutdown of the system.
2. Unplug the cabinet from its power source.

Shelf Removal

1. Open the door, then remove any remaining items from the shelf.
2. Lift the shelf clips to the open position on either side of the switchpanel.

Figure 3-1. Lift the shelf clips

3. Pull the switchpanel holder out a little to access the switchpanel cable.

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4. Disconnect the switchpanel cable from the SPC board in the wireway.

Figure 3-2. Disconnect the switchpanel from the SPC board

5. Slide the switchpanel out from its holder.

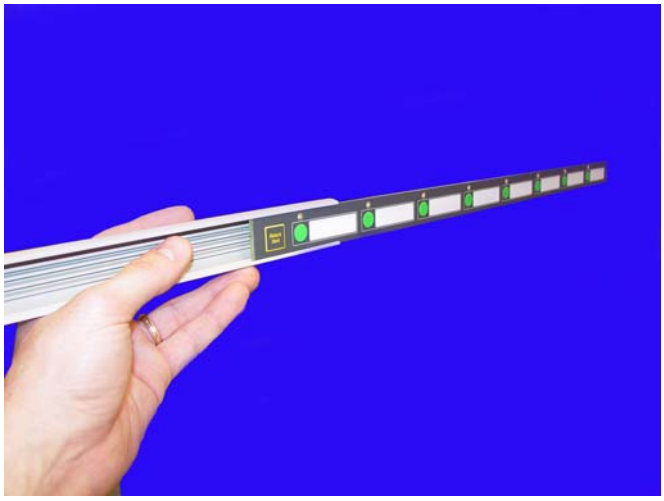

Figure 3-3. Remove the switchpanel from its holder

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6. Push the shelf up from the slots in the shelf clips and remove the shelf.

Figure 3-4. Push the shelf up and remove

7. If installing a new shelf, go to step 3 of "Shelf Installation" on page 3-4
8. If a new shelf will not be re-installed in the same location, perform the following steps.
   a. Remove the shelf clips.

Note: In certain cases, the shelf clip may be secured with a single screw that provides extra support. Remove the screw using a Torx T15 screwdriver.

   b. Install switchpanel connector covers where the shelf clips were removed.

Divider Removal

1. Open the door, then remove items from the shelf to access the dividers.
2. Remove the dividers from their clips.
3. Rotate the divider clips 90 degrees to unlock from the shelf bars, then remove them.

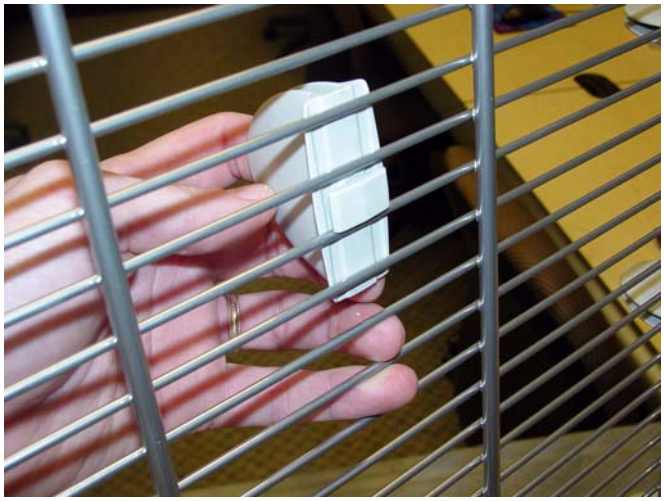

Figure 3-5. Remove the clip from the shelf

Shelf Installation

1. Remove the switchpanel connector cover where the shelf will be installed.
2. Insert right and left shelf clips into the exposed frame holes.
3. Slide the switchpanel into its holder.

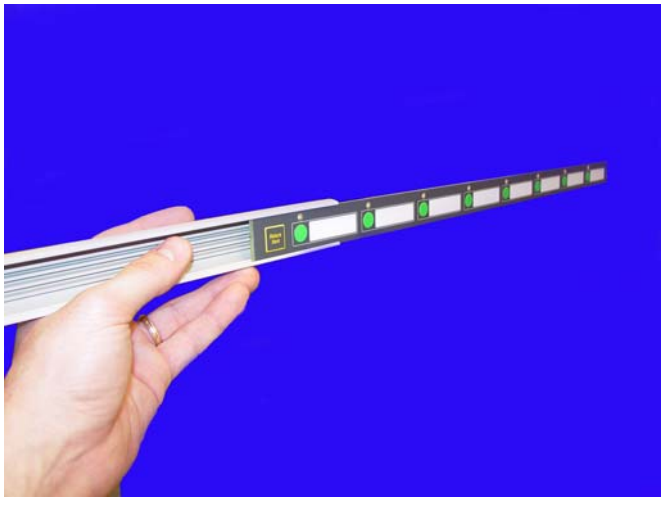

Figure 3-6. Slide the switchpanel into its holder

4. Lift up the tabs on the shelf clips.

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5. Connect the switchpanel cable to the SPC board in the wireway.

Figure 3-7. Connect the Switchpanel to the SPC Board

6. Insert the switchpanel holder into the shelf clips and close the clips.
7. Slide the shelf into the mounting slots at the back of the frame.

8. Lower the shelf into the shelf supports and ensure they are locked into place.
9. Stock the shelf as needed, then close the cabinet door.

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Divider Installation

1. Place the clips on the shelf at the desired position.
2. Rotate the clips 90 degrees and lock them into place on the shelf.

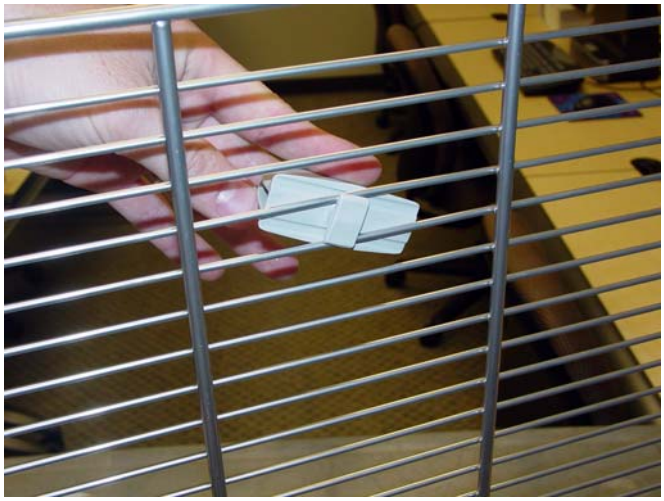

Figure 3-8. Rotate the Shelf Clip and Lock it Into Place

3. Slide the dividers into the clips.
4. Stock the shelf as needed, then close the cabinet door.

Pull-out Shelf Installation

A pull-out shelf is designed to increase the accessibility of items located at the rear of a cabinet shelf. The shelf is mounted on rails and can be pulled out from the cabinet. The pull-out shelf is a product option that must be purchased separately and does not come as a standard feature.

1. Open the cabinet door.
2. If replacing a standard shelf, do the following steps:
   a. Remove items from the shelf.
   b. Remove the standard shelf. Refer to "Shelf Removal" on page 3-1.
3. Insert the pull-out shelf into the frame.

   Make sure that the tabs on the back of the assembly slide completely into the slots on the back of the frame.
4. Insert mounting screws (one on each side) using a Torx T15 screwdriver.
5. Connect the switchpanel cable to the wireway.
6. Replace the connector covers.

To remove the pull-out shelf, generally perform the installation steps in reverse.

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System Restart

Perform the following steps after the shelves have been replaced.

1. Plug the cabinet power cord into the proper outlet.
2. Reboot the system.

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Switchpanels

Introduction

There are two types of switchpanels. One type is used with shelves (standard/pull-out), The other type is used with a supply drawer. Switchpanels are used to identify specific items in the cabinet. When a user selects an item from the screen display, the proper switchpanel LEDs light up to indicate product location.

Switchpanels can be removed (and relocated) with its corresponding drawer or shelf. They can be switched from shelf to shelf or drawer to drawer. However, switchpanel types cannot be mixed between a shelf and a drawer.

The cabinet must be shut down to safely remove switchpanels and their cables. Switchpanels are replaced by generally performing the removal procedures in reverse. See "Shelf Installation" on page 3-4. Perform the restart steps after the service is completed.

Tools List

The following tools are required to remove or install a switchpanel:

- Torx T15 screwdriver
- Torx T8 screwdriver
- Needle-nosed pliers
- 1/4" nut driver
- 5/64" Allen wrench
- 3/32" Allen wrench
- Phillips head screwdriver
- 5/16" nut driver

Shutdown Procedures

1. Perform a graceful shutdown of the system.
2. Unplug the cabinet from its power source.

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Switchpanel Removal

Shelf Switchpanel

1. Open the cabinet door to access the switchpanel.
2. Lift the shelf clips to the open position on either side of the switchpanel.

Figure 4-1. Lift the Shelf Clips

3. Disconnect the switchpanel cable from the SPC board in the wireway.r
4. Remove the switchpanel holder.
5. Slide the switchpanel out of its holder.

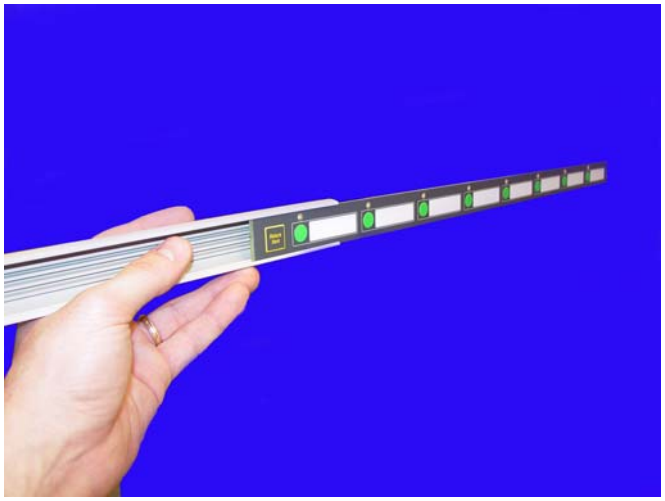

Figure 4-2. Remove the switchpanel from its holder

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Supply Drawer Switchpanel

1. Empty items from the drawer.
2. Disconnect the drawer module from the wireway.

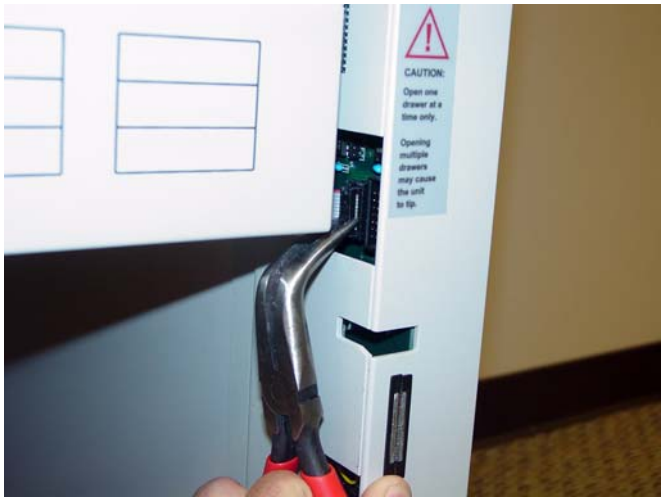

Figure 4-3. Disconnect the Switchpanel from the SPC Board in the Wireway

3. Open the drawer.
4. Use a 1/4 nut driver to remove the four nuts holding the switchpanel in place.
5. Unplug the switchpanel cable from the drawer switchpanel control board.
6. Remove the two screws on the bottom of the supply drawer using a T15 Torx screwdriver.

Figure 4-4. Remove the screws securing the drawer to the mounting bracket

7. Remove the supply drawer from the cabinet.
8. Turn the supply drawer upside down and open it.
9. Disconnect the switchpanel cable.
10. Remove the four nuts located on the drawer using a 1/4” nut driver.

11. Remove the switchpanel.

Figure 4-5. Remove the Switchpanel from the Drawer

Pull-out Shelf Switchpanel

1. Slide the shelf partially out of the dispenser unit.
2. Remove the four screws from the top of the switchpanel using a 5/64” Allen wrench.

Note: The switchpanel is still connected to the shelf. Do not try to forcibly remove the switchpanel.

3. Pull the left side of the switchpanel away from the shelf to expose the two screws securing the switchpanel to the right side of the frame.
4. Remove the two screws using a small Phillips head screwdriver.
5. Remove the switchpanel cable from the wireway cable.
6. Remove the switchpanel.

System Restart

Perform the following steps after the switchpanel(s) have been replaced.

1. Plug the cabinet power cord into the proper outlet.
2. Reboot the system.

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Doors

Introduction

Half-cell cabinets may or may not have a door, depending on the configuration of the cabinet.

Tools List

The following tools are required to install/replace doors on a half cell:

- Torx T15 screwdriver
- Torx T20 screwdriver
- #2036 key

Door Removal

1. Open the door.
   - If the cabinet is powered up, enter an administrator user name and password into the system.
   - If the cabinet is not powered up, unlock the cabinet door using the #2036 key.
2. Remove the two screws securing the top bracket of the door using a T20 Torx screwdriver.

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Note: Hold onto the door while removing the two screws. Otherwise, the door may fall and be damaged after the screws are removed.

Figure 5-1. Remove the screws securing the top bracket

3. Lift the door off the lower door bracket.

Door Installation

Half Cell Door

1. Place the door, bottom first, onto the bottom bracket. Ensure that the door is securely placed in the bracket.
2. Place the top bracket onto the door and line up the top of the door with the screw holes on the cabinet frame.
3. Attach the two screws securing the top bracket to the frame.

One-Third Door

1. Place the door, bottom first, onto the bottom bracket. Ensure that the door is securely placed in the bracket.
2. Line up the door with the screw holes on the top bracket.
3. Attach the two screws securing the door to the top bracket.

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Drawers

Introduction

There are two types of drawers, one for pharmacy and one for supplies. Each type has multiple modules for varying degrees of security.

Supply Drawers

Supply drawers are used to store items that are frequently used and require little security. The available models are:

- Omnicell Matrix Drawer (OMD) is a drawer without lids. Drawer space is configured into a matrix of storage areas with dividers and drawer liners. The maximum number of storage areas (or bins) is 96.
- Omnicell Lighted Matrix Drawer (OLMD) is similar to the drawer above, but with guiding light technology. LEDs are used to direct users to the proper supplies location. The lit matrix drawer can be configurable for up to 24 bins.

Pharmacy Drawers

Pharmacy drawers have more security. They are designed to store low security medications or high security narcotics. The available modules are:

- Omnicell Sensing Lid (OSL) is used for low security medications. As each lid is lifted, the system senses and records access to the bin. This guarantees security to those drawers that contain controlled substances.
- Omnicell Locking Lid (OLL) has the highest security for storing narcotics. When these high security drawers are opened, the user can only access the one bin containing the pre-selected medication. No other bin is unlocked when the user is working in the desired bin. Special censors provide audible and visual feedback if users attempt unauthorized entry into bins that are not pre-selected.

Tools List

The following tools may be required to install a drawer:

- Torx T10 screwdriver
- Torx T15 screwdriver
- Double-sided tape

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Bin Configuration

Unlit Matrix Drawers

Each unlit matrix drawer can contain a maximum of 96 bins - 24 in each quadrant. Customers can utilize the flexibility of this drawer and custom-configure it to meet specific needs and requirements for the site. As with other matrix drawers, the dividers are designed to be snapped off, enabling the bins to be custom-configured to fit site-specific needs.

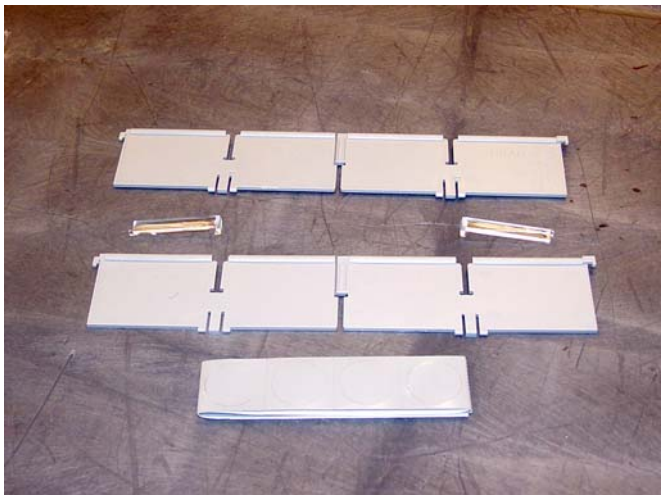

Figure 6-1. Matrix drawer dividers

Note: Dividers must be placed into the drawer in a specific order with each divider in a specific slot, so separating the dividers by part number is recommended.

1. Before installing the dividers, ensure that the layout of each drawer has been approved by the customer.

Note: It is recommended that a drawing be made of each drawer, showing the customer's preferred configuration for each quadrant of a given drawer.

2. Break the divider tabs according to the customer design and trim away excess plastic to ensure a snug fit in the drawer.
3. Add the dividers to the bin liner. The dividers should snap into the bottom of the drawer and the sides of each bin liner quadrant.
4. Use the gray circular labels provided with the kit to cover any un-used divider slots in the bin liner.

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Lit Matrix Drawers

Each lit matrix drawer can contain a maximum of 24 bins - six in each quadrant. Customers can utilize the flexibility of this drawer and custom-configure it to meet specific needs and requirements for the site. As with other matrix drawers, the dividers are designed to be snapped off, enabling the bins to be custom-configured to fit site-specific needs.

Note: Dividers must be placed into the drawer in a specific order with each divider in a specific slot, so separating the dividers by part number is recommended.

Figure 6-2. Lit matrix drawer

1. Before installing the dividers, ensure that the layout of each drawer has been approved by the customer.

Note: It is recommended that a drawing be made of each drawer, showing the customer's preferred configuration for each quadrant of a given drawer.

2. Break the divider tabs according to the customer design and trim away excess plastic to ensure a snug fit in the drawer.
3. Add the dividers to the bin liner. The dividers should snap into the bottom of the drawer and the sides of each bin liner quadrant.
4. Use the gray circular labels provided with the kit to cover any un-used divider slots in the bin liner.
5. Insert the light pipes into each notch provided in the dividers. The light pipe is installed on the rear side of the bin divider and snaps into a slot on the bottom of the bin liner.

Note: Be sure to place a light pipe into every notch, even if the position will not be used for guiding light purposes. The pipes provide support and help keep the dividers in place.

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Matrix Drawers Labels

Numerical bin labels are provided with matrix drawers to make bin identification and restock easier for the customer.

The bottom of the bin liner on any matrix drawer is numbered according to its type (i.e. 1-96, 1-24, 1-4). These numbers are used to identify bin locations for the drawer. The drawer will be numbered by using the lowest number in a specific bin. Using Figure 6-3 as an example, the bin in the lower right corner of the drawer would be Bin 7, the bin in the upper left corner would be Bin 49, and the bin in the upper right corner would be Bin 85.

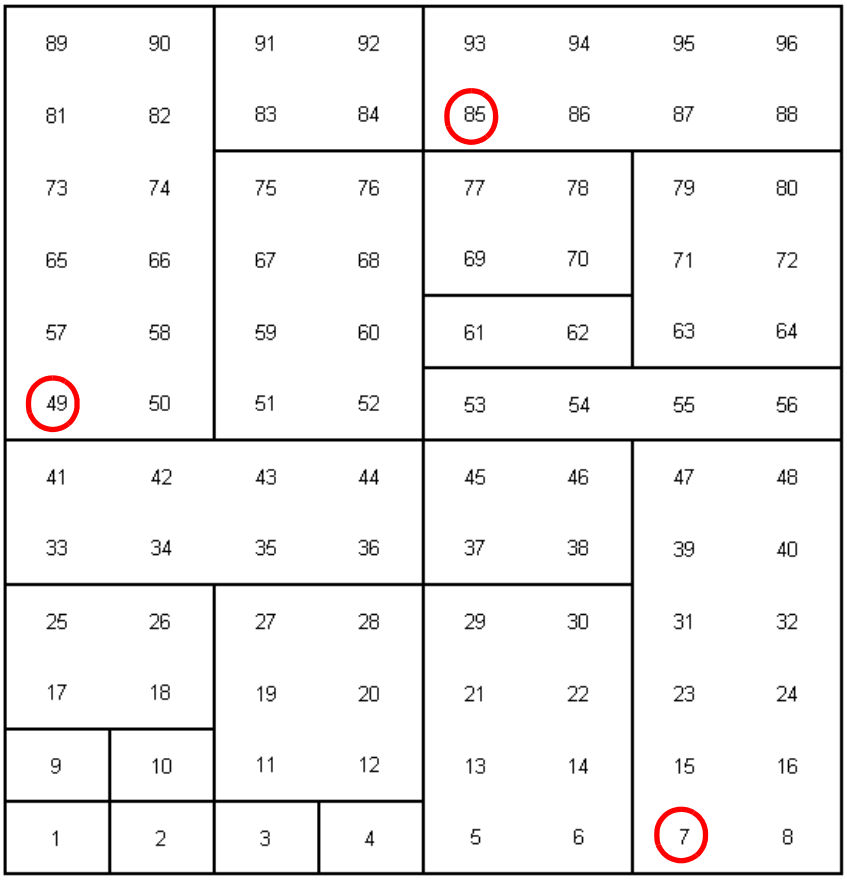

Figure 6-3. Matrix drawer labelling system

Once a bin has been configured, label the bin divider to correspond with the bin name corner and affix the label to the top of the right rear divider of that bin.

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Installation

Perform the shutdown procedure before servicing any drawers. Remove supply and double-deep drawers by generally performing the installation steps in reverse. After the service is complete, follow the restart steps.

Shutdown Procedure

1. Perform a graceful shutdown of the system.
2. Unplug the cabinet from its power source.

Double-Deep Matrix Drawer

1. Clear the space for the new drawer by removing one of the following:
   - the existing double deep drawer
   - the two existing single drawers
   - the two false drawer fronts
   - a false drawer front and a single drawer

   See "Pharmacy Drawer Removal" on page 6-8 if needed.

Note: If two single deep drawers are removed, the lower set of slide mount brackets must be removed from inside the carrier before continuing.

2. Insert the bin liner into the drawer with the side numbered 1 and 2 facing the front.
3. Insert the right/left bin divider into the bin liner.
4. Insert the front/rear bin divider into the bin liner.
5. Connect the drawer cable.
6. Insert the drawer into the carrier.

Supply Drawer

1. Open the door in the zone where the supply drawer will be located.
2. Slide the two drawer brackets into the slots in the back of the frame.
3. Secure the bracket to the frame with the screw provided using a Torx T15 screwdriver.
4. Slide the supply drawer and housing onto the brackets until the drawer snaps into the latching tabs located on the back of the bracket.
5. Connect the SPC board cable to the 10-pin connector on the SPC board in the wireway.
6. Insert two screws one on either side of the bottom of the drawer.
7. Use a Torx T15 screwdriver to secure the supply drawer to the drawer brackets.
8. Insert the switchpanel connector cover into the hole in the frame.
9. Set the DIP switches for the shelf and the zone settings. There are two DIP switches: The first DIP switch (S1) sets the drawer zone. The second DIP switch (S2)sets the drawer location.

Note: On switch S1, switch #8 must always be off for a supply drawer.

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Pharmacy Drawer

Important: A Pharmacist must be present when servicing drawers where medications are present.

1. Unlock the manual override cover using keys #2302, 2232.
2. Remove the cover by pushing it to the right and lifting it off.
3. Remove any false drawer fronts by removing the two screws that secure the false drawer front with a Torx T15 screwdriver.

Note: Keep the screws securing the false drawer front. They will be used later in the procedure.

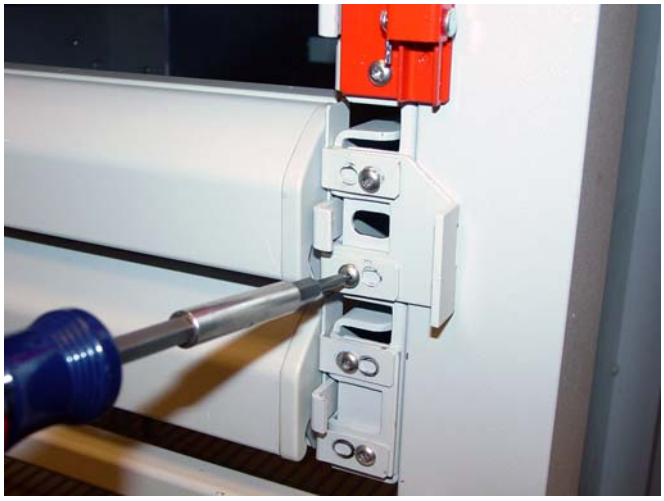

Figure 6-4. Remove the screws securing the false drawer front

4. Remove the slide mounting bracket.

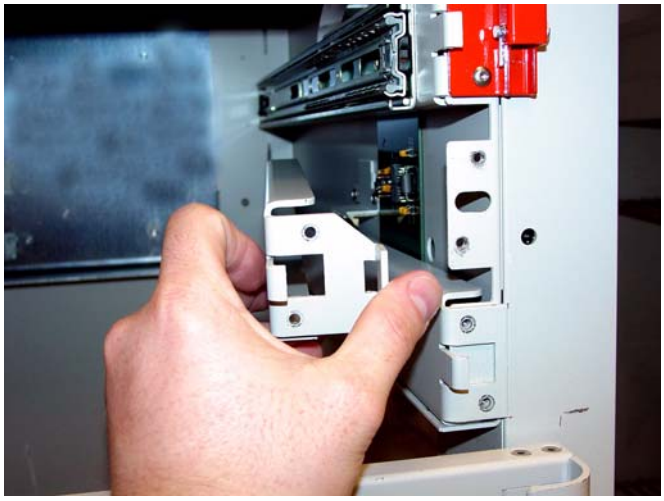

Figure 6-5. Remove the slide support bracket

5. Connect the drawer cable to the drawer connect board.

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6. Attach one side of the double-sided tape to the cable clamp and the other to the drawer cable.
7. Line up the tape to the edges of the clamp and secure the clamp to the carrier with two screws using a Torx T15 screwdriver.
8. Connect the drawer controller cable to the drawer controller board at the rear end of the drawer.
9. Secure the slide to the slide mounting bracket with three screws and washers using a Torx T15 screwdriver.
10. Install the slide support bracket with slide attached.
11. Connect a slide to the left side of the carrier using the three screws provided. Tighten the screws using a Torx T15 screwdriver.

Figure 6-6. Install the new slide support bracket

Note: The washers must be used. They ensure that the screw threads do not protrude into the cable path.

12. Place the drawer controller cable between the two ends of the drawer controller cable clamp.
13. Secure the pharmacy drawer controller cable clamp and the drawer controller cable to the pharmacy drawer with two screws using a Torx T10 screwdriver.
14. Close the drawer and replace the pharmacy manual override cover.

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Pharmacy Drawer Removal

1. Remove the manual override cover on the pharmacy drawers.

Figure 6-7. Remove the manual override cover

2. Pull the manual override lever and open the desired pharmacy drawer.
3. Remove the two screws securing the drawer controller cable cover to the cable clamps using a Torx T10 screwdriver.

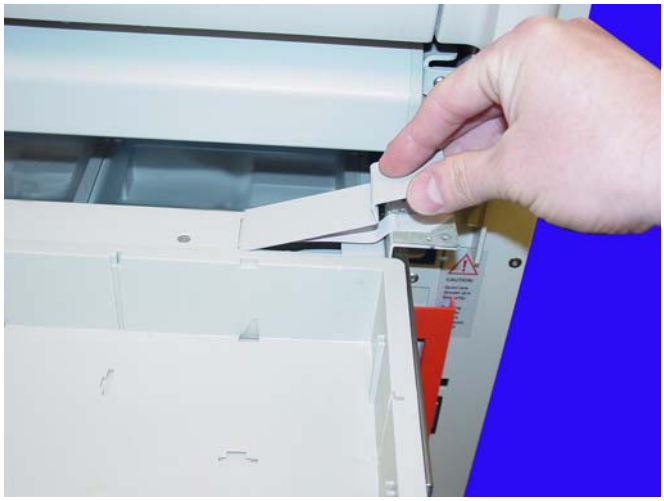

Figure 6-8. Remove the controller cable cover

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4. Remove the cable clamp and disconnect the cable.

Figure 6-9. Remove the controller cable

5. Push the release levers on either side of the drawer up or down to release the drawer.

Figure 6-10. Push the release levers to release the drawer

6. Remove the pharmacy drawer from the module.

System Restart

1. Plug the cabinet power cord into the proper outlet.
2. Reboot the system.
3. Program the pharmacy drawer in Omni Configurations.

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Appendix A: Part List

Link back to the procedure that calls out the given part using the cross reference in the **Where Used** column.

Part #	Part Name	Agile Description	Where Used
11-4101 11-4128	door; \1/3 door; half cell door	MFG,ASSY,DOOR,1/3,OMNI,1 MFG,ASSY,DOOR,HALF-CELL REDESIGN	Door Installation Door Removal
12-3102 12-3113	supply drawer (single drawer);	DRAWER ASSY,SUPPLY,OSD24,GREEN BUTTONS DRAWER ASSY,SUPPLY,OSD24,BLUE BUTTONS	Double-Deep Matrix Drawer Supply Drawer Supply Drawer Switchpanel
13-1129 13-1142 13-1136 13-1143 13-1150 13-1152 13-1151 13-1153	lid, console	MFG ASSY, LID, ETX, LVDS, RX-CT (old) MFG ASSY, LID, LVDS, RX-CT, MOBILE CART (old) MFG ASSY,LID W/O PTR,CE (old) MFG ASSY, LID W/O PTR, MOBILE CART (old) MFG ASSY, LID, ETX, LVDS, RX-CT (new) MFG ASSY, LID, LVDS, RX-CT, MOBILE CART (new) MFG ASSY,LID W/O APS PTR,CE (new) MFG ASSY, LID W/O APS PTR, MOBILE CART (new)	Standardization Changes
13-3109	pull-out shelf	ASSY,PULL-OUT SHELF	Pull-out Shelf Installation
14-1123 14-1291	printer, printer assembly	MFG,ASSY,PRINTER,OMNIRX (old) MFG ASSY,APS PRINTER,OMNIRX (new)	Printer
14-1261	LCD assembly	MFG ASSY, DISPLAY,ETX-REVC,LVDS,RX-CT	LCD Assembly
14-2040 13-1128-58	electronics tray	ELECTRONICS TRAY,ETX2,5.10.1.9,ANESTHESIA (PowerCom3) MFG ASSY,CT PC BOX,W/PTR, 5.8 XP ETX CE (PowerCom2) [inactive]	PowerCom2 Removal PowerCom3 Installation
14-7008 14-7009 14-7013 14-7015 14-7016	pharmacy drawer	MODEL,OLL6,LARGE,LOCKING DRAWER,RX2 MODEL,OSL6,LARGE,SENSING DRAWER,RX2 MODEL,OSL12,REGULAR,SENSING DRAWER,RX2 MODEL,OSL24,24-BIN,SENSING DRAWER,RX2 MODEL,OLMD24,24-LIT,MATRIX MATRIX,DRAWER	Pharmacy Drawer
14-7021	double-deep matrix drawer bin labels [comes with drawer]	MODEL OMD4,4-BIN MATRIX DRAWER,UNLIT	Double-Deep Matrix Drawer Matrix Drawers Labels

Table A-1. OmniRx Part List

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Part #	Part Name	Agile Description	Where Used
15-7020	false drawer front	MFG,ASSY,DRAWER,FRONT,DUMMY RX2	Double-Deep Matrix Drawer Pharmacy Drawer
15-7075 15-7076	divider (kit) w/gray labels	KIT,DIVIDER,24-BIN,LIT,MATRIX KIT,DIVIDER,4/96,BIN,UNLIT,MTR	Lit Matrix Drawers Unlit Matrix Drawers
40-1045 71-7008	PC card	PCBA, PRINTER INTERFACE, APS PCB ASSY,PRINTER,RIGHT ANGLE SHROUDED CONN (Seiko)	Printer
40-7035	wireway cable	PCB ASSY,RX,DRAWER,CONNECT OMNIRX	PowerCom3 Installation
41-7009	(wireway) SPC Board drawer controller board	PCB,RX,DRAWER,CONNECT RX	Pharmacy Drawer Wireway Removal
42-1157	thumb screw (part of assy) battery cover (part of assy) battery (part of assy) battery cable (part of assy) battery frame (part of assy) battery frame screw (in assy)	CABLE,ASSY,BATTERY,OMNIXPRESS	Batteries
42-1185	cabinet power cable	CABLE,ASSY,POWER,SWITCH	PowerCom2 Removal
42-1204	card reader cable	CABLE,ASSY,POWER,CARD,READER CT,PC,BOX	PowerCom2 Removal
42-1210	fan cable	CABLE,ASSY,FAN RETROFIT COOLING,OMNIRX	PowerCom2 Removal
42-1229	video image cable, LCD data cable	CABLE ASSY, LVDS LCD DISPLAY	LCD Assembly PowerCom2 Removal
42-1302-02	[USB keyboard] power cable	CABLE,ASSY,USB KEYBOARD,QWERTY TO MOTHERBOARD,STD,CTPC	Standardization Changes
42-1304	(printer) power cable	CABLE ASSY, POWER, APS PTR, CT PC BOX	PowerCom2 Removal
42-1307	[keypad/keyboard] ribbon cable	CABLE ASSY,NUMERIC TO KEYBD, OMNIRX/TT	PowerCom2 Removal
42-2101	drawer controller cable switchpanel cable SPC board cable	CABLE,ASSY,DRAWER,CONTROLLER TO,SPC	Pharmacy Drawer Supply Drawer Supply Drawer Switchpanel
42-7029	wireway ribbon cable	CABLE,ASSY,DRAWER,CONNECT,TO IUPS,OMNIRX	Wireway Removal

Table A-1. OmniRx Part List

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Part #	Part Name	Agile Description	Where Used
42-7030	drawer cable	CABLE,ASSY,DRAWER,OMNIRX	Double-Deep Matrix Drawer Pharmacy Drawer Pharmacy Drawer Removal
42-7061	touch screen cable	CABLE,ASSY,TOUCH,PAD,DATA ANESTHESIA	LCD Assembly PowerCom2 Removal
42-7071	extension cable	CABLE,ASSY,IUPS,TO,HD,SLED	PowerCom3 Installation
42-7087	backlight cable; contrast cable	CABLE ASSEMBLY, POTENTIOMETER, OMNIRX	LCD Assembly Standardization Changes
42-7088-12 42-7096-12	data cable (sensors hard wired to printer)	CABLE ASSY,PRINTER,48" (Seiko) CABLE ASSY, PRINTER, 34 PIN, 48" (APS)	Printer
42-7092	inverter cable	CABLE ASSY,ETX-REV C TO INVERTER,121PW181,RX	PowerCom2 Removal
51-2059	transport handle	HANDLE,TRANSPORT,HALF-CELL	Wireway Removal
51-4018	top, bottom door bracket	BUSHING,HINGE,HALF-CELL	Door Removal
51-7025	manual override cable	CABLE,MANUAL OVERRIDE,OMNIRX	Pharmacy Drawer Removal
53-2081 53-7289	cable cover bracket	COVER,CABLE,OMNIRX [old] COVER,CABLE,OMNIRX [new]	Standardization Changes
53-1105	LCD bezel	BEZEL, NEC LVDS LCD DISPLAY	LCD Assembly
53-2078	wireway	WIREWAY,OMNIRX	Wireway Removal
53-2081	drawer controller cable cover	COVER,CABLE,OMNIRX	Pharmacy Drawer Removal
53-2082	manual override cover	COVER,MANUAL,OVERRIDE,OMNIRX	Pharmacy Drawer Pharmacy Drawer Removal Wireway Removal
53-7104 53-7123	slide mounting bracket	BRACKET,SLIDE,MOUNT,OMNIRX BRACKET,SLIDE,MOUNT,MAN. OVERRIDE,ATTACH	Pharmacy Drawer Supply Drawer
53-7106	cable clamp	CABLE,CLAMP,SLIDE,MOUNT,OMNIRX	Pharmacy Drawer Pharmacy Drawer Removal
53-7128	override lever	LEVER,MANUAL OVERRIDE RELEASE,3-DRAWER CARRIER	Pharmacy Drawer Removal
54-3008	shelf	SHELF,WIRE,CT,OMNISUPPLIER	Shelf Removal

Table A-1. OmniRx Part List

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Part #	Part Name	Agile Description	Where Used
55-3000	switchpanel holder	HOUSING,SWITCHPANEL,PVC,OMNI,	Shelf Removal Shelf Switchpanel
57-3025	(shelf) divider	CLIP,SHELF DIVIDER,MOLDED	Divider Removal
57-3027 57-3028	shelf clip	SUPPORT,SHELF,RIGHT,CTPC BOX SUPPORT,SHELF,RLEFT,CTPC BOX	Shelf Removal
57-7035 57-7046	bin liner	LINER,MATRIX,96-BIN,RX LINER,MATRIX,4-BIN,RX,VACUUM FORMED	Double-Deep Matrix Drawer
57-7231	light pipe	LIGHT PIPE, 2222, 3131,96 SDD	Lit Matrix Drawers
70-7000 70-7002	(printer) ribbon cable (flex cable hard wired to printer)	PRINTER,THERMAL,SEIKO LTP3345A-S576 PRINTER, THERMAL, APS CP305-80MM-BL-OMN	Printer
71-3000 71-3007	(shelf) switchpanel; cable [integrated]	SWITCHPANEL,SHELF,GREEN SWITCHPANEL,SHELF,BLUE	Pull-out Shelf Switchpanel Shelf Removal Shelf Switchpanel
71-3001 71-3008	switchpanel connector cover; (drawer) switchpanel	SWITCHPANEL,DRAWER,GREEN SWITCHPANEL,DRAWER,BLUE	Shelf Removal Supply Drawer Supply Drawer Switchpanel
73-1001	speaker	SPEAKER, 2.5", 8 OHM, 2W	Speaker
80-0374	DIP switch	SW,DIP,8-POS,SL,SPST,VERT,TH	Supply Drawer
80-0802	speaker cable	CONN,CABLE ASSY,MOLDED PLUG,3.5MM STEREO,SHL'D,PVC,36IN	PowerCom2 Removal Speaker
82-6061	jumper	JUMPER,SHUNT,0.1",15AU,RED	Standardization Changes
92-1000 92-1002 92-1011	key	CAM LOCK,#2036 [lid] CAM LOCK,#2202 [manual ovveride cover] CAM LOCK,#2232 [manual ovveride cover]	Batteries Door Removal LCD Assembly Pharmacy Drawer PowerCom2 Removal Speaker
94-6005	switchpanel nut	NUT,HEX,4-40,SS	Supply Drawer Switchpanel
94-6012	(shelf) mounting screw	SCREW,SHCS,8-32,X,1/4,SS	Pull-out Shelf Installation
95-6015	paper	PAPER,THERMAL,92M ROLL,80MM WIDE	Printer
94-6053	transport handle screw	SCREW,BHCS,1/4-20,X,3/8,SS	Wireway Removal

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Part #	Part Name	Agile Description	Where Used
94-6132	(supply drawer) screw (drawer controller cable cover) screw	SCREW,BH,TORX,8-32,X,3/16,SS	Pharmacy Drawer Removal Supply Drawer Supply Drawer Switchpanel
94-6133	slide mounting screw (wireway) screw [front, side] (clamp) screw	SCREW,BH,TORX,8-32,X,1/4,SS	Pharmacy Drawer Pharmacy Drawer Removal Supply Drawer Wireway Removal
94-6137	(speaker) screw	SCREW,BH,TORX,6-32,X,3/16,SS	Speaker
94-6142	(door bracket) screw	SCREW,BH,TORX,4-40,X,1/4,SS	Door Removal
94-6158	slide mounting bracket washer	WASHER,FLAT,#8,SS	Pharmacy Drawer
94-6162	(LCD bezel) screw (printer cover) screw (printer assembly) screw ((console) screw (cable cover bracket) screw	SCREW,FH,TORX,6-32,X,3/16,100,DEG,C'SINK	LCD Assembly Printer Standardization Changes
94-6165	(false drawer front) screw	SCREW,BH,TORX,8-32,X,3/8,SS	Pharmacy Drawer
94-6173	(PC card) screw	SCREW,SHCS,4-40,X,3/16,SS	Printer
94-6200	shelf screw	SCREW,PH,2-56,X,3/8,SS	Pull-out Shelf Switchpanel
N/A	switchpanel screw	not in Agile; part of switchpanel subassembly; removed with 5/64" Allen wrench	Pull-out Shelf Switchpanel
OSD24	drawer module	OMNICELL DRAWER MODULE(SUPPLY DRAWER)	Supply Drawer Switchpanel

Table A-1. OmniRx Part List

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